

IN THE CLAIMS

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered). Please CANCEL claims 7, 10-17, 19, and 20, AMEND claims 1, 2, and 4 in accordance with the following:

1. (Currently Amended) A pod cover removing-installing apparatus to remove and install a cover for an opening of a pod, the inside of which is kept extremely clean, by causing the cover to engage a door for an opening of a high cleanliness room, while maintaining high cleanliness of the pod and the room by closely attaching the circumference of the two openings, the pod cover removing-installing apparatus comprising:

a positioning member to determine the position of the cover,
a fine adjustment mechanism to finely adjust the position of the positioning member, and
a holding mechanism to hold the position of the cover mated with the door by the positioning member, wherein

the door is provided with a base member and a coplanar position adjusting member movable ~~in a plane generally perpendicular to~~ within a plane of the base member,

the positioning member is provided in the position adjusting member,
the fine adjustment mechanism is provided in the base member and supports the position adjusting member movable ~~in the plane generally perpendicular to~~ within the plane of the base member, and

the holding member being supported by ~~mechanism is provided in~~ the base member and ~~hold~~holding the position of the position adjusting member relative to said base member.

2. (Currently Amended) The pod cover removing-installing apparatus according to claim 1, wherein the door is provided with a base plate and a position adjusting plate movable ~~in a plane generally perpendicular to~~ within a plane of the base plate,

the positioning member is provided in the position adjusting plate,
the fine adjustment mechanism is provided in the base plate and supports the position adjusting plate movable ~~in the plane generally perpendicular to~~ within the plane of the base plate, and

the holding mechanism is provided in the base plate to hold the position of the position adjusting plate.

3. (Previously Presented) The pod cover removing-installing apparatus according to claim 2, further comprising a centering mechanism for returning the position adjusting plate to the center.

4. (Currently Amended) The pod cover removing-installing apparatus according to claim 2, further comprising:

a locking member which is provided in the position adjusting plate, rotates around the axis of the position adjusting plate, and engages the cover for locking or unlocking,

a lock drive device which is provided on the base plate side to rotate the lock member, and

an eccentric transmission mechanism which transmits the rotational power of the lock drive device to the locking member, while allowing a deviation of the base plate and position adjusting plate ~~in the plane generally perpendicular to~~within the plane of the base plate.

5. (Previously Presented) The pod cover removing-installing apparatus according to claim 4, wherein the holding mechanism cancels the holding of the position adjusting plate before the locking member locks the cover and holds the position adjusting plate after the locking member locks the cover.

6. (Previously Presented) The pod cover removing-installing apparatus according to claim 4, wherein the locking member cancels the lock in an initial stage of the inserting operation for inserting the cover into the opening of the pod.

7. (Cancelled)

8. (Previously Presented) A pod cover removing-installing apparatus according to claim 1, further comprising:

a positioning member to determine the position of the cover by engaging the engaged part of the cover; and

a position securing device to position and secure the positioning member to the engaged part of the cover by changing the external diameter of the positioning member.

9. (Original) The pod cover removing-installing apparatus according to claim 8, wherein the position securing device is provided in the circumference of the positioning member and has a stretch member capable of stretching according to an increase or decrease in the internal pressure.

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Previously Presented) The pod cover removing-installing apparatus according to claim 2, wherein the holding mechanism cancels the holding of the position adjusting plate before the locking member locks the cover and holds the position adjusting plate after the locking member locks the cover.

19. (Cancelled)

20. (Cancelled)